IN THE CLAIMS

Please add claims 31 through 46 as follows:

1	31. A disk calibration and search process, comprising:
2	making a count of a number of tracks crossed when a pickup is jumped to a first
3	position and moved radially from said first position during generation of a selected number
4	of pulses;
5	determining an unit track number in dependence upon a relation between said
6	count and said selected number;
7	determining an average pitch between said tracks in dependence upon said unit
8	track number; and
9	determining a moving amount to shift the pickup between a current position
10	on the disk and a target track, in dependence upon said average pitch.
1	32. The process of claim 31, making said count while moving said pickup from a
2	track on one extremity of the disk to a track on a radially opposite extremity of the disk.
1	33. The process of claim 31, with said first position comprised of an innermos
2	track of said disk, and with said count made while said pickup is moved radially from said
3	innermost track to an outermost track of said disk.

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2 edge of said pulses.

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35. A disk drive, comprising:

a motor;

a pickup oriented to make a count of a number of tracks on a memory disk crossed when said motor jumps said pickup to a first position on the disk and moves said pickup radially from said first position in response to application of a selected number of pulses to said motor; and

a controller determining an unit track number in dependence upon a relation between said count and said selected number, determining an average pitch between said tracks in dependence upon said unit track number, and determining a moving amount to shift the pickup between a current position on the disk and a target track, in dependence upon said average pitch.

- 36. The disk drive of claim 35, comprised of said controller making said count while said motor moves said pickup from a track on one extremity of the disk to a track on a radially opposite extremity of the disk.
- The disk drive of claim 35, with said first position comprised of an innermost track of said disk, and with said controller making said count while said pickup is moving radially from said innermost track to an outermost track of said disk.

- 1 38. The disk drive of claim 35, comprised of said controller initiating said count
 2 after detecting an edge of said pulses.
 - 39. A disk drive manufacturing process, comprising:

2 <u>selecting a motor;</u>

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mounting a pickup oriented to make a count of a number of tracks on a memory disk crossed when said motor jumps said pickup to a first position on the disk and moves said pickup radially from said first position in response to application of a selected number of pulses to said motor; and

making an operational connection between a controller and said motor and said pickup, with said connection enabling said controller to determine a unit track number in dependence upon a relation between said count and said selected number, determine an average pitch between said tracks in dependence upon said unit track number, and determine a moving amount to shift the pickup between a current position on the disk and a target track, in dependence upon said average pitch.

40. The process of claim 39, comprised of said controller making said count while said motor moves said pickup from a track on one extremity of the disk to a track on a radially opposite extremity of the disk.

1	41. The process of claim 39, with controller designating said first position
2	comprised of an innermost track of said disk, and with said controller making said count
3	while said pickup is moving radially from said innermost track to an outermost track of said
4	disk.

- 42. The process of claim 39, comprised of said controller initiating said count after detecting an edge of said pulses.
 - 43. A disk calibration and search process, comprising:

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moving a pickup radially from a track on one extremity of the disk to a track on a radially opposite extremity of the disk;

beginning a count of pulses with an edge of a plurality of pulses generated during said movement;

making a count of a number of tracks crossed during said movement; and

determining a track number in dependence upon a relation between said count

of said number and said count of pulses.

44. The process of claim 43, with said one extremity comprised of an innermost track of said disk, and with said count of said number being made while said pickup is moved radially from said innermost track to an outermost track of said disk.

1	45. A disk calibration and search process, comprising:
2	moving a pickup to a location on the disk and reading from said disk a current
3	position of the pickup on the disk while said pickup is at said location;
4	establishing an initialized value by determining a number of tracks lying
5	between said location and a designation of a target track;
6	characterizing relativity of a movement of said pickup from said location to
7	said target track as one of a longer jump and a shorter jump;
8	when said movement is characterized as a shorter jump, moving said pickup
9	in conformance to said shorter jump and making a determination of whether said pickup has
10	reached said target track;
11	when said movement is characterized as a longer jump, establishing an
12	adjusted value when said target track corresponds to an addition of one to said initialized
13	value, and after moving said pickup in correspondence to a pulse value obtained by dividing
14	said number of tracks by said adjusted value, making said determination of whether said
15	pickup has reached said target track;
16	when said movement is characterized as a longer jump and said target track
17	does not correspond to said addition, and after moving said pickup in correspondence to a
18	pulse value obtained by dividing said number of tracks by said initialized value, making said
19	determination of whether said pickup has reached said target track; and

said pickup has not reached said target track after said moving of said pickup.

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establishing said initialized value again when said determination indicates that

1	<u>46.</u>	The process of again establishing said initialized value as set forth in 45,
2	comprised o	<u>f:</u>
3		adding one to said designation of said target track;
4		reading from said disk a current position of the pickup on the disk; and
5		setting said initialized value to indicate a number of tracks lying between said
6	current posi	tion and said designation of said target track